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VPI/97-101 CIP CON

Plunkett
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner	:	Not Yet Assigned
Group Art Unit	:	Not Yet Assigned
Applicants	:	Joseph L. Kim et al.
Serial No.	:	Not Yet Assigned
Filed	:	Concurrently Herewith
For	:	CRYSTALS OF HEPATITIS C VIRUS HELICASE OR FRAGMENTS THEREOF COMPRISING A HELICASE BINDING POCKET

jc649 U.S. PTO
09/303216
04/30/99

New York, New York
April 30, 1999

Hon. Assistant Commissioner
for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56 AND 1.97

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97, applicants, through their attorney, make of record the documents listed below (copies enclosed herewith). A completed Form PTO-1449 listing all of the documents in alphabetical order is enclosed herewith in duplicate.

United States Patents

<u>Inventor</u>	<u>Serial No.</u>	<u>Issue Date</u>
Carter	4,833,233	May 23, 1989
Subbiah	5,353,236	October 4, 1994

Foreign Patent Applications

<u>Applicant</u>	<u>Publication No.</u>	<u>Publication Date</u>
Stanford University	WO 92/14211	August 20, 1992
Immunex Corp.	WO 94/25860	November 10, 1994
Chiron Corp.	WO 97/12043	April 3, 1997
G. Rudenko	WO 97/15588	May 1, 1997

Articles

D.G. Brown et al., "Crystallography in the Study of Protein-DNA Interactions", Methods in Molecular Biology, 56, pp. 293-318 (1996).

P.N. Bryan, "Protein Engineering", Biotech Adv., 5, pp. 221-234 (1987).

I.D. Campbell et al., "Diffraction, in Biological Spectroscopy", The Benjamin/Cummings Publishing Company, Inc., Menlo Park, CA, pp. 299-326 (1984).

J. Jancarik et al., "Sparse Matrix Sampling: A Screening Method for Crystallization of Proteins", J. Appl. Cryst., 24, pp. 409-411 (1991).

A. Kajihara et al., "Protein Modeling Using a Chimera Reference Protein Derived From Exons", Protein Eng'g, 6, pp. 615-620 (1993).

K.A. Morgenstern et al., "Polynucleotide Modulation of the Protease, Nucleoside Triphosphatase, and Helicase Activities of a Hepatitis C Virus NS3-NS4A Complex Isolated from Transfected COS Cells", J. of Virology, 71, pp. 3767-3775 (1997).

A.J. Russell et al., "Rational Modification of Enzyme Catalysis by Engineering Surface Charge", Nature, 328, pp. 496-500 (1987).

U. Uhlin et al., "Crystallization and Crystallographic Investigations of Ribonucleotide Reductase Protein R1 From *Escherichia Coli*", 336(1), pp. 148-152 (1993).

N. Yao et al., "Structure of the Hepatitis C Virus RNA Helicase Domain", Nature Structural Biology, 4, pp. 463-7 (1997).

Applicants respectfully request that the above-cited documents be (1) fully considered by the Examiner during the course of the examination of this application and (2) printed on any patent issuing from this application. Applicants also request that a copy of the enclosed Form PTO-1449 duly initialed by the Examiner be forwarded to the undersigned with the next communication.

The Commissioner is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to Deposit Account No. 06-1075.

Respectfully submitted,



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